

#5

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cca gcc cta cca gaa gat ggg ggg tcc ggg gcc ttc cca cca ggg cac	48
Pro <sub>1</sub> Ala Leu Pro <sub>5</sub> Glu <sub>5</sub> Asp Gly Gly Ser <sub>10</sub> Gly <sub>10</sub> Ala Phe Pro Pro Gly <sub>15</sub> His <sub>15</sub>	
ttc aaa gat cca aaa cga cta tat tgt aaa aac ggg ggg ttc ttc cta	96
Phe Lys Asp Pro <sub>20</sub> Lys Arg Leu Tyr <sub>25</sub> Cys <sub>25</sub> Lys Asn Gly Gly Phe <sub>30</sub> Phe <sub>30</sub> Leu	
cga atc cac cca gat ggg cga gta gat ggg gta cga gaa aaa tcc gat	144
Arg Ile His <sub>35</sub> Pro Asp Gly Arg Val <sub>40</sub> Asp Gly Val Arg Glu <sub>45</sub> Lys Ser Asp	
cca cac atc aaa cta caa cta caa gcc gaa gaa cga ggg gta gta tcc	192
Pro His <sub>50</sub> Ile Lys Leu Gln Leu <sub>55</sub> Gln Ala Glu Glu Arg <sub>60</sub> Gly Val Val Ser	
atc aaa ggg gta tgt gcc aac cga tat cta gcc atg aaa gaa gat ggg	240
Ile Lys Gly Val Cys <sub>70</sub> Ala <sub>70</sub> Asn Arg Tyr Leu Ala <sub>75</sub> Met Lys Glu Asp Gly <sub>80</sub>	
cga cta cta gcc tcc aaa tgt gta acc gat gaa tgt ttc ttc ttc gaa	288
Arg Leu Leu Ala Ser <sub>85</sub> Lys Cys Val Thr Asp <sub>90</sub> Glu Cys Phe Phe Phe <sub>95</sub> Glu	
cga cta gaa tcc aac aac tat aac acc tat cga tcc cga aaa tat tcc	336
Arg Leu Glu Ser <sub>100</sub> Asn Asn Tyr Asn Thr <sub>105</sub> Tyr Arg Ser Arg Lys <sub>110</sub> Tyr Ser	
tcc tgg tat gta gcc cta aaa cga acc ggg caa tat aaa cta ggg cca	384
Ser Trp Tyr Val Ala Leu Lys Arg Thr Gly Gln Tyr Lys <sub>125</sub> Leu Gly Pro	
aaa acc ggg cca ggg caa aaa gcc atc cta ttc cta cca atg tcc gcc	432
Lys Thr Gly Pro Gly Gln Lys <sub>135</sub> Ala Ile Leu Phe Leu <sub>140</sub> Pro Met Ser Ala	
aaa tcc taa	441
Lys Ser *	
145	

FIG. 1.

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Pro<sub>1</sub> Ala Leu Pro<sub>5</sub> Glu Asp Gly Gly Ser<sub>10</sub> Gly Ala Phe Pro Pro Gly<sub>15</sub> His  
Phe Lys Asp<sub>20</sub> Pro Lys Arg Leu Tyr<sub>25</sub> Cys Lys Asn Gly Gly<sub>30</sub> Phe Phe Leu  
Arg Ile<sub>35</sub> His Pro Asp Gly Arg Val<sub>40</sub> Asp Gly Val Arg<sub>45</sub> Glu Lys Ser Asp  
Pro His<sub>50</sub> Ile Lys Leu Gln<sub>55</sub> Leu Gln Ala Glu Glu Arg<sub>60</sub> Gly Val Val Ser  
Ile<sub>65</sub> Lys Gly Val Cys<sub>70</sub> Ala Asn Arg Tyr Leu<sub>75</sub> Ala Met Lys Glu Asp Gly<sub>80</sub>  
Arg Leu Leu Ala<sub>85</sub> Ser Lys Cys Val Thr<sub>90</sub> Asp Glu Cys Phe Phe<sub>95</sub> Phe Glu  
Arg Leu Glu Ser<sub>100</sub> Asn Asn Tyr Asn<sub>105</sub> Thr Tyr Arg Ser Arg Lys<sub>110</sub> Tyr Ser  
Ser Trp Tyr<sub>115</sub> Val Ala Leu Lys Arg<sub>120</sub> Thr Gly Gln Tyr Lys<sub>125</sub> Leu Gly Pro  
Lys Thr<sub>130</sub> Gly Pro Gly Gln Lys<sub>135</sub> Ala Ile Leu Phe Leu<sub>140</sub> Pro Met Ser Ala  
Lys Ser<sub>145</sub>

FIG. 2.

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ccc gcc ttg ccc gag gat ggc ggc agc ggc gcc ttc ccg ccc ggc cac	48
Pro <sub>1</sub> Ala Leu Pro <sub>5</sub> Glu <sub>5</sub> Asp Gly Gly Ser Gly <sub>10</sub> Ala Phe Pro Pro Gly <sub>15</sub> His	
ttc aag gac ccc aag cgg ctg tac tgc aaa aac ggg ggc ttc ttc ctg	96
Phe Lys Asp Pro <sub>20</sub> Lys Arg Leu Tyr Cys <sub>25</sub> Lys Asn Gly Gly Phe <sub>30</sub> Phe Leu	
cgc atc cac ccc gac ggc cga gtt gac ggg gtc cgg gag aag agc gac	144
Arg Ile His <sub>35</sub> Pro Asp Gly Arg Val <sub>40</sub> Asp Gly Val Arg Glu <sub>45</sub> Lys Ser Asp	
cct cac atc aag cta caa ctt caa gca gaa gag aga gga gtt gtg tct	192
Pro His <sub>50</sub> Ile Lys Leu Gln Leu <sub>55</sub> Gln Ala Glu Glu Arg <sub>60</sub> Gly Val Val Ser	
atc aaa gga gtg tgt gct aac cgt tac ctg gct atg aag gaa gat gga	240
Ile Lys Gly Val Cys <sub>70</sub> Ala Asn Arg Tyr Leu Ala <sub>75</sub> Met Lys Glu Asp Gly <sub>80</sub>	
aga tta ctg gct tct aaa tgt gtt acg gat gag tgt ttc ttt ttt gaa	288
Arg Leu Leu Ala Ser <sub>85</sub> Lys Cys Val Thr Asp <sub>90</sub> Glu Cys Phe Phe Phe <sub>95</sub> Glu	
cga ttg gaa tct aat aac tac aat act tac cgg tca agg aaa tac acc	336
Arg Leu Glu Ser <sub>100</sub> Asn Asn Tyr Asn Thr <sub>105</sub> Tyr Arg Ser Arg Lys <sub>110</sub> Tyr Thr	
agt tgg tat gtg gca ctg aaa cga act ggg cag tat aaa ctt gga tcc	384
Ser Trp Tyr Val Ala Leu Lys Arg <sub>120</sub> Thr Gly Gln Tyr Lys <sub>125</sub> Leu Gly Ser	
aaa aca gga cct ggg cag aaa gct ata ctt ttt ctt cca atg tct gct	432
Lys Thr Gly Pro Gly Gln Lys <sub>135</sub> Ala Ile Leu Phe Leu <sub>140</sub> Pro Met Ser Ala	
aag agc tga	441
Lys Ser *	
145	

FIG. 3.

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atg gca gcc ggg agc atc acc acg ctg cca gcc cta cca gaa gat ggg	48
Met Ala Ala Gly Ser Ile Thr Thr Leu Pro Ala Leu Pro Glu Asp Gly	
1 5 10 15	
ggg tcc ggg gcc ttc cca cca ggg cac ttc aaa gat cca aaa cga cta	96
Gly Ser Gly Ala Phe Pro Pro Gly His Phe Lys Asp Pro Lys Arg Leu	
20 25 30	
tat tgt aaa aac ggg ggg ttc ttc cta cga atc cac cca gat ggg cga	144
Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro Asp Gly Arg	
35 40 45	
gta gat ggg gta cga gaa aaa tcc gat cca cac atc aaa cta caa cta	192
Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys Leu Gln Leu	
50 55 60	
caa gcc gaa gaa cga ggg gta gta tcc atc aaa ggg gta tgt gcc aac	240
Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val Cys Ala Asn	
65 70 75 80	
cga tat cta gcc atg aaa gaa gat ggg cga cta cta gcc tcc aaa tgt	288
Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala Ser Lys Cys	
85 90 95	
gta acc gat gaa tgt ttc ttc ttc gaa cga cta gaa tcc aac aac tat	336
Val Thr Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser Asn Asn Tyr	
100 105 110	
aac acc tat cga tcc cga aaa tat tcc tcc tgg tat gta gcc cta aaa	384
Asn Thr Tyr Arg Ser Arg Lys Tyr Ser Ser Trp Tyr Val Ala Leu Lys	
115 120 125	
cga acc ggg caa tat aaa cta ggg cca aaa acc ggg cca ggg caa aaa	432
Arg Thr Gly Gln Tyr Lys Leu Gly Pro Lys Thr Gly Pro Gly Gln Lys	
130 135 140	
gcc atc cta ttc cta cca atg tcc gcc aaa tcc taa	468
Ala Ile Leu Phe Leu Pro Met Ser Ala Lys Ser *	
145 150 155	

**FIG. 4.**

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atg gca gcc ggg agc atc acc acg ctg ccc gcc ttg ccc gag gat ggc	48
Met Ala Ala Gly Ser Ile Thr Thr Leu Pro Ala Leu Pro Glu Asp Gly	
1 5 10 15	
ggc agc ggc gcc ttc ccg ccc ggc cac ttc aag gac ccc aag cgg ctg	96
Gly Ser Gly Ala Phe Pro Pro Gly His Phe Lys Asp Pro Lys Arg Leu	
20 25 30	
tac tgc aaa aac ggg ggc ttc ttc ctg cgc atc cac ccc gac ggc cga	144
Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro Asp Gly Arg	
35 40 45	
gtt gac ggg gtc cgg gag aag agc gac cct cac atc aag cta caa ctt	192
Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys Leu Gln Leu	
50 55 60	
caa gca gaa gag aga gga gtt gtg tct atc aaa gga gtg tgt gct aac	240
Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val Cys Ala Asn	
65 70 75 80	
cgt tac ctg gct atg aag gaa gat gga aga tta ctg gct tct aaa tgt	288
Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala Ser Lys Cys	
85 90 95	
gtt acg gat gag tgt ttc ttt ttt gaa cga ttg gaa tct aat aac tac	336
Val Thr Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser Asn Asn Tyr	
100 105 110	
aat act tac cgg tca agg aaa tac acc agt tgg tat gtg gca ctg aaa	384
Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val Ala Leu Lys	
115 120 125	
cga act ggg cag tat aaa ctt gga tcc aaa aca gga cct ggg cag aaa	432
Arg Thr Gly Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro Gly Gln Lys	
130 135 140	
gct ata ctt ttt ctt cca atg tct gct aag agc tga ttttaa	474
Ala Ile Leu Phe Leu Pro Met Ser Ala Lys Ser *	
145 150 155	

**FIG. 5.**

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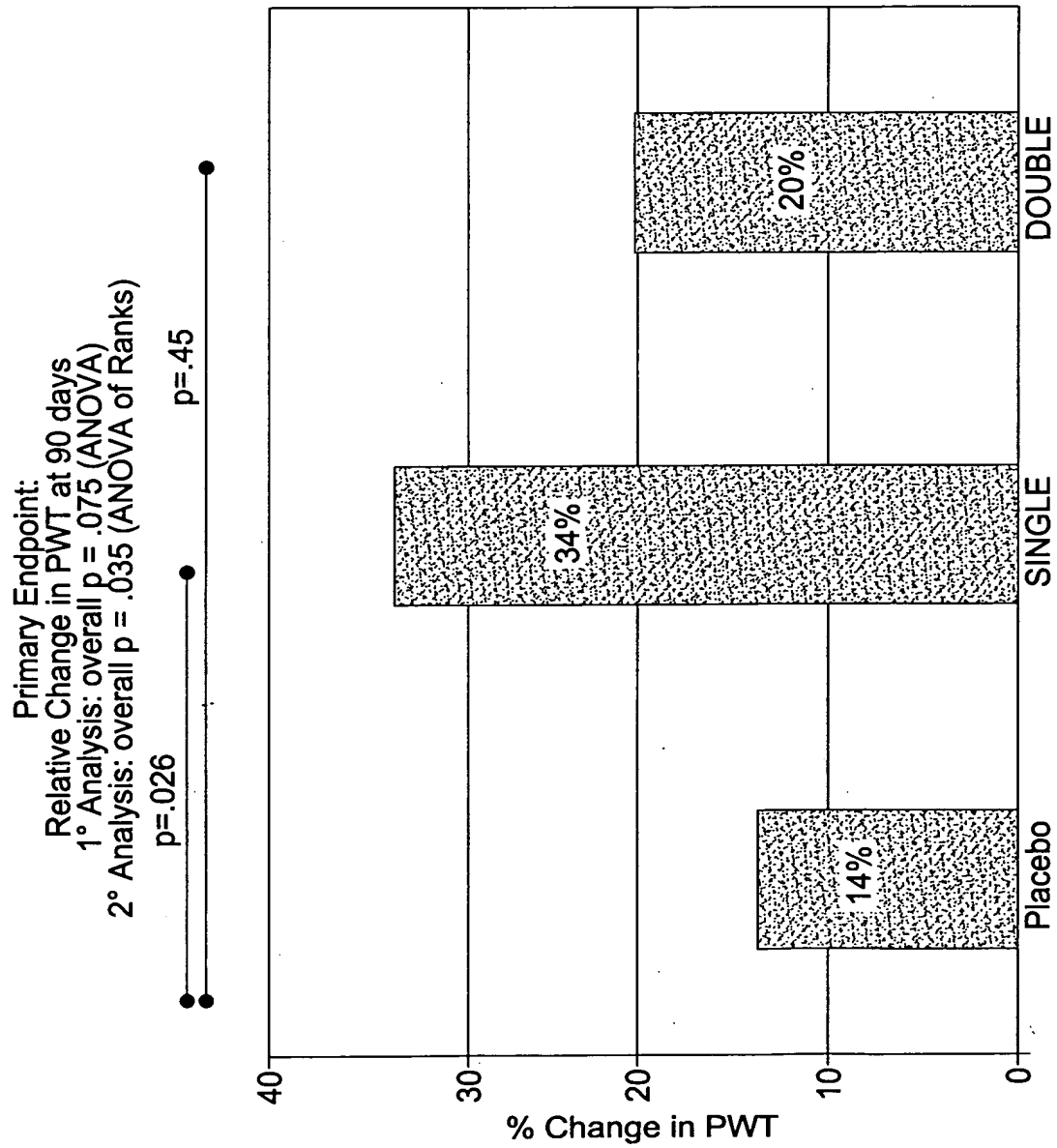


FIG. 6.

PP16090.004 (35784/235886)

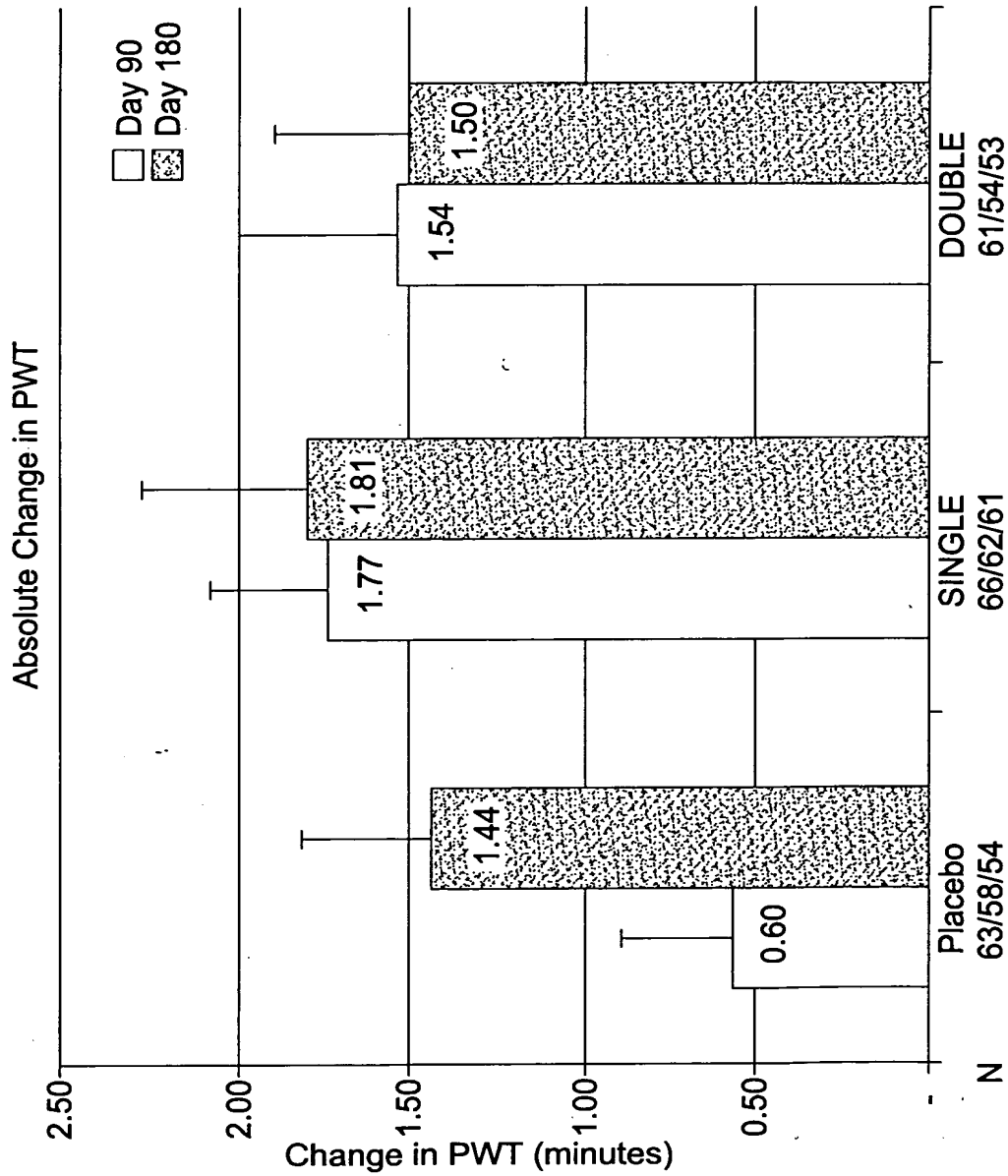


FIG. 7.

FIG. 7

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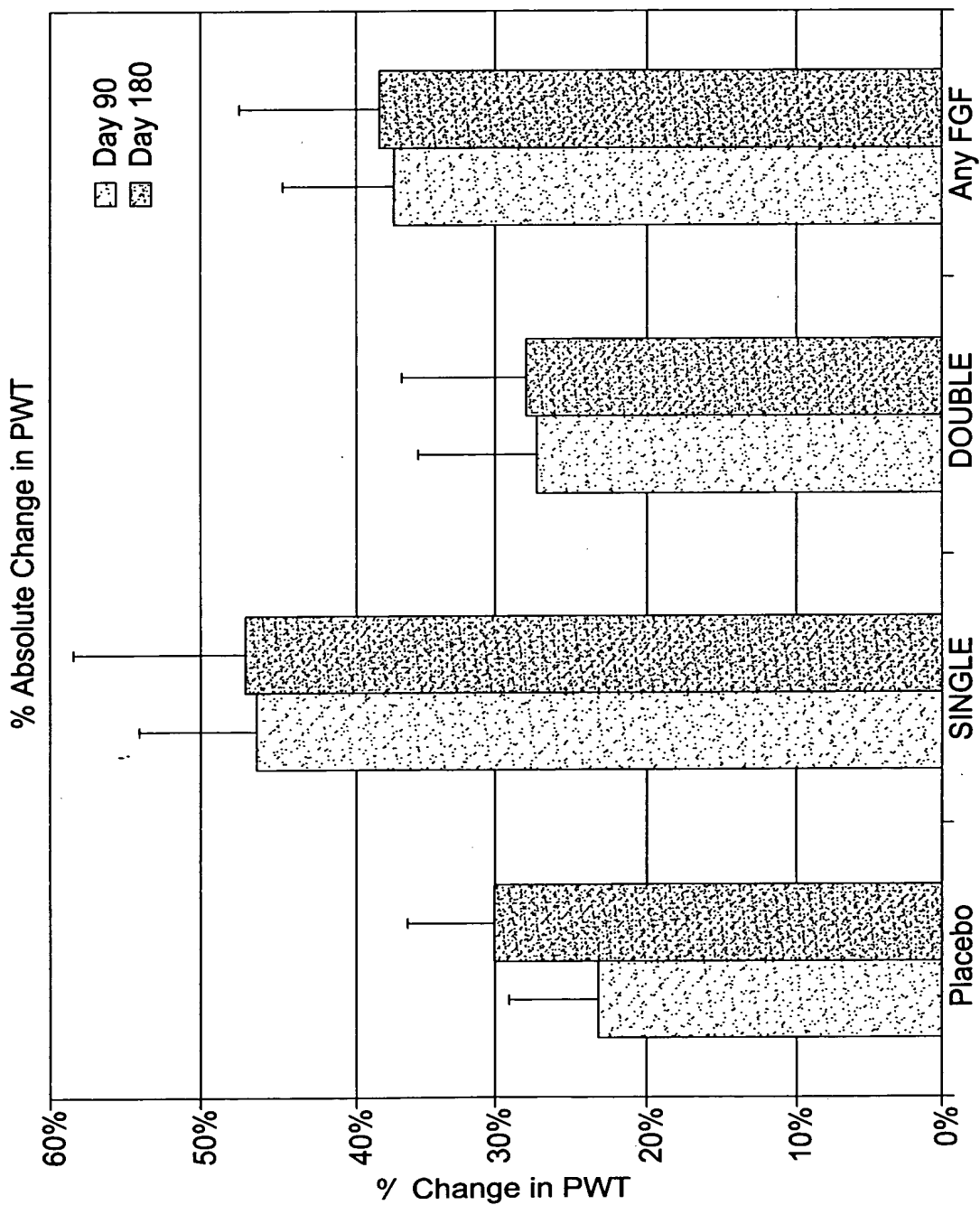


FIG. 8.

105001-95898860



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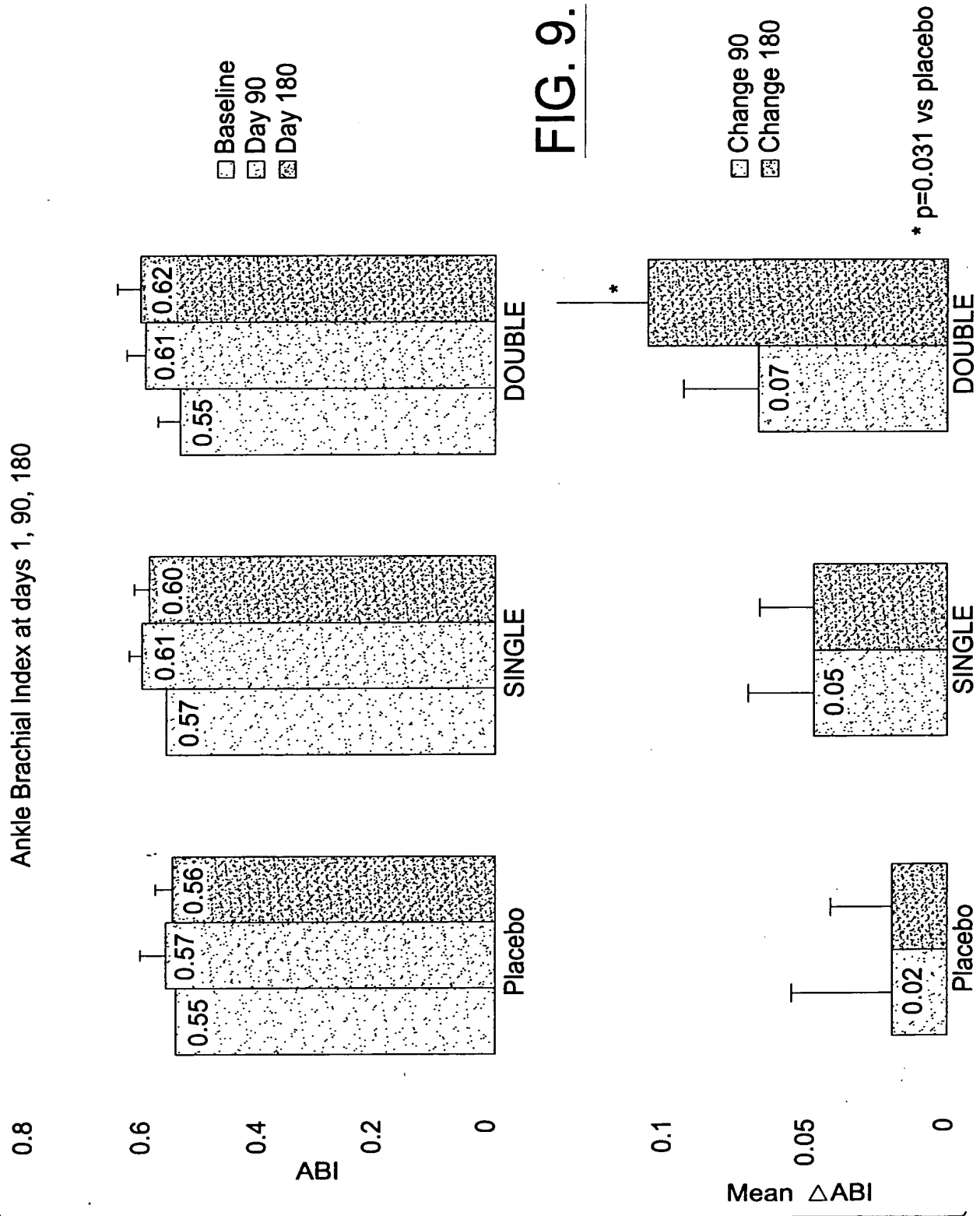


FIG. 9.

105001" 95898860

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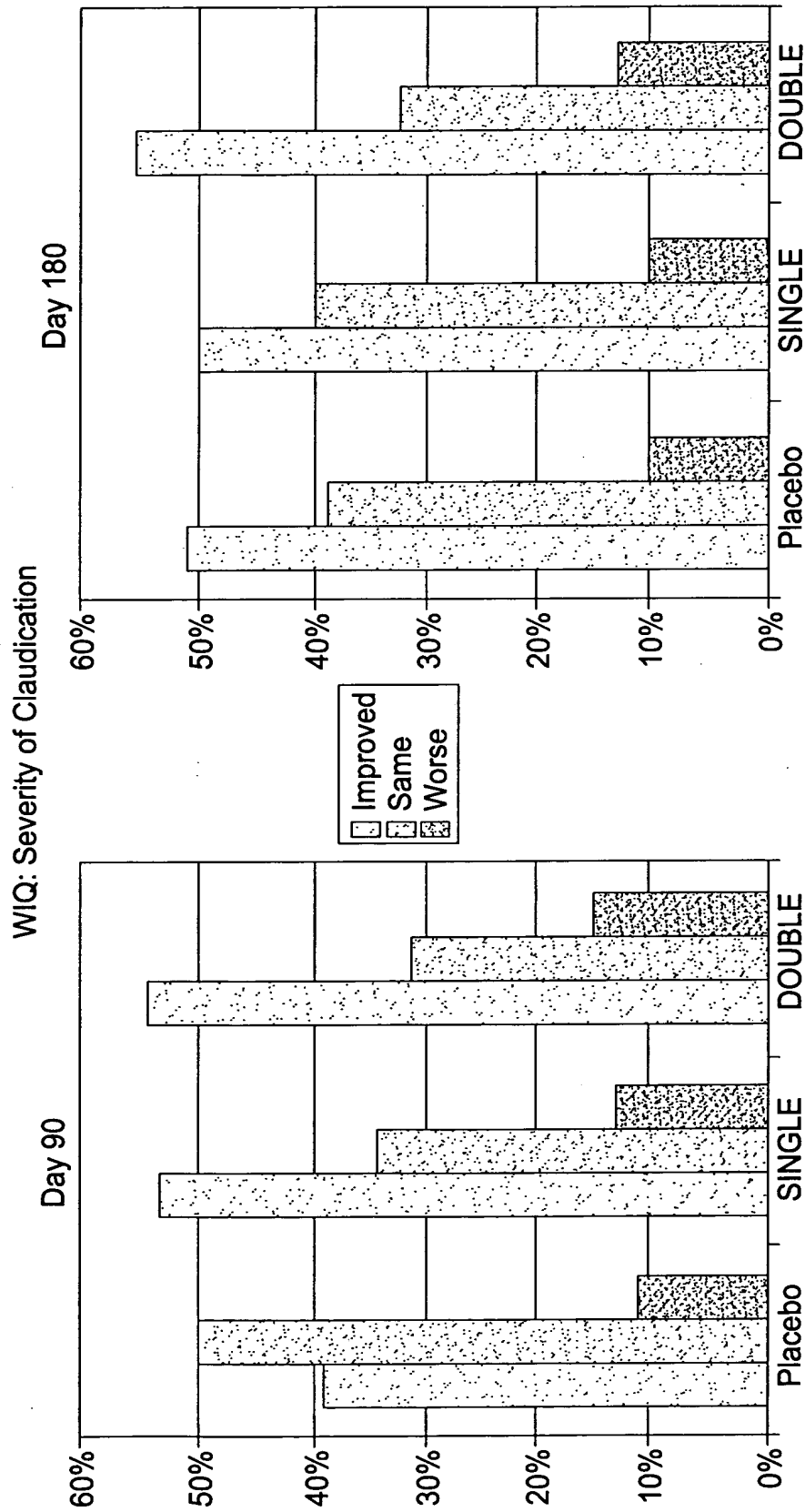


FIG. 10.

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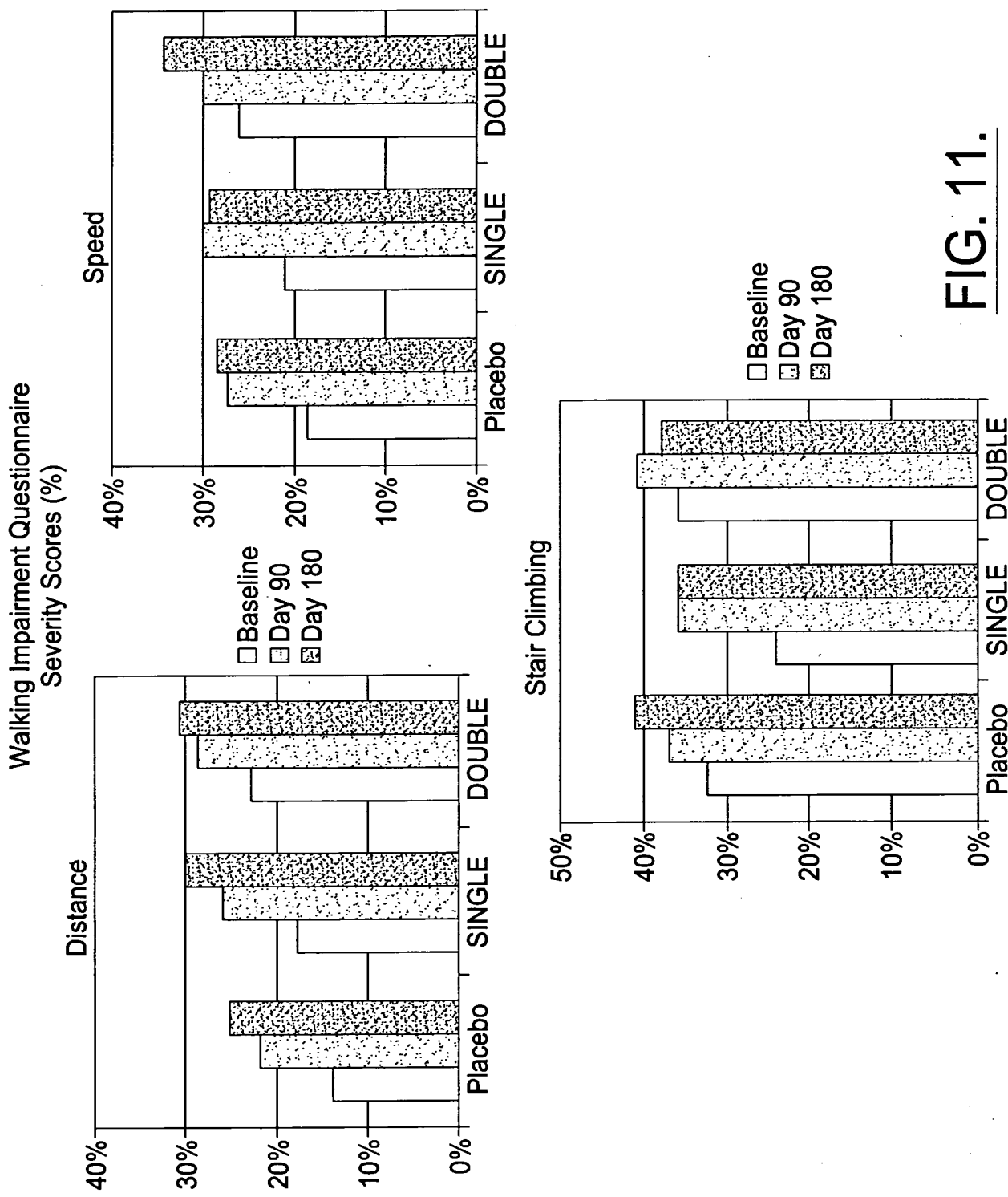


FIG. 11.

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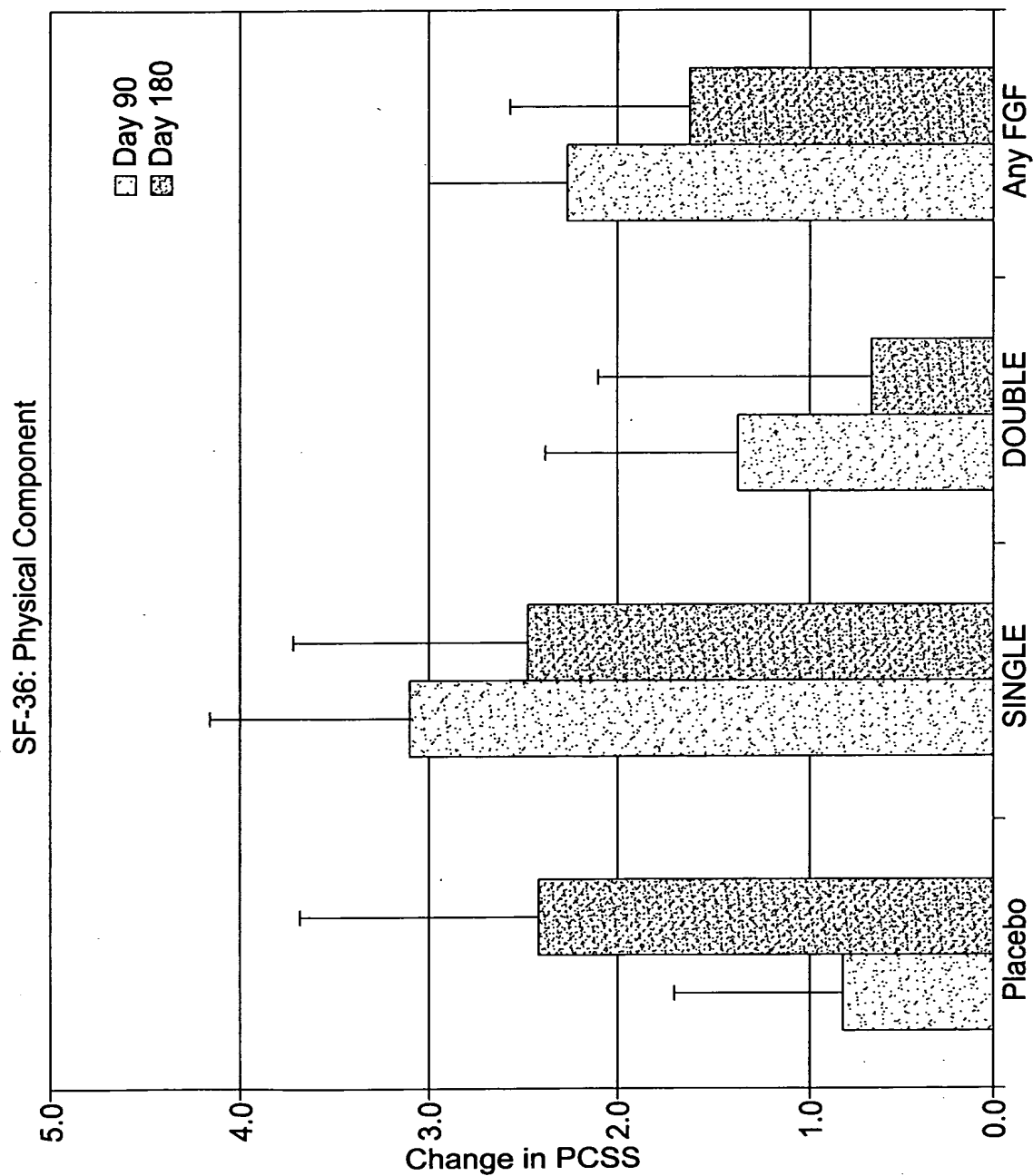


FIG. 12.

Methods and Compositions for the Treatment of Peripheral  
Artery Disease

Inventor(s): Martha Jo Whitehouse  
Application No: 09/886,856  
Atty Dkt No: PP16090.004 (35784/235886)

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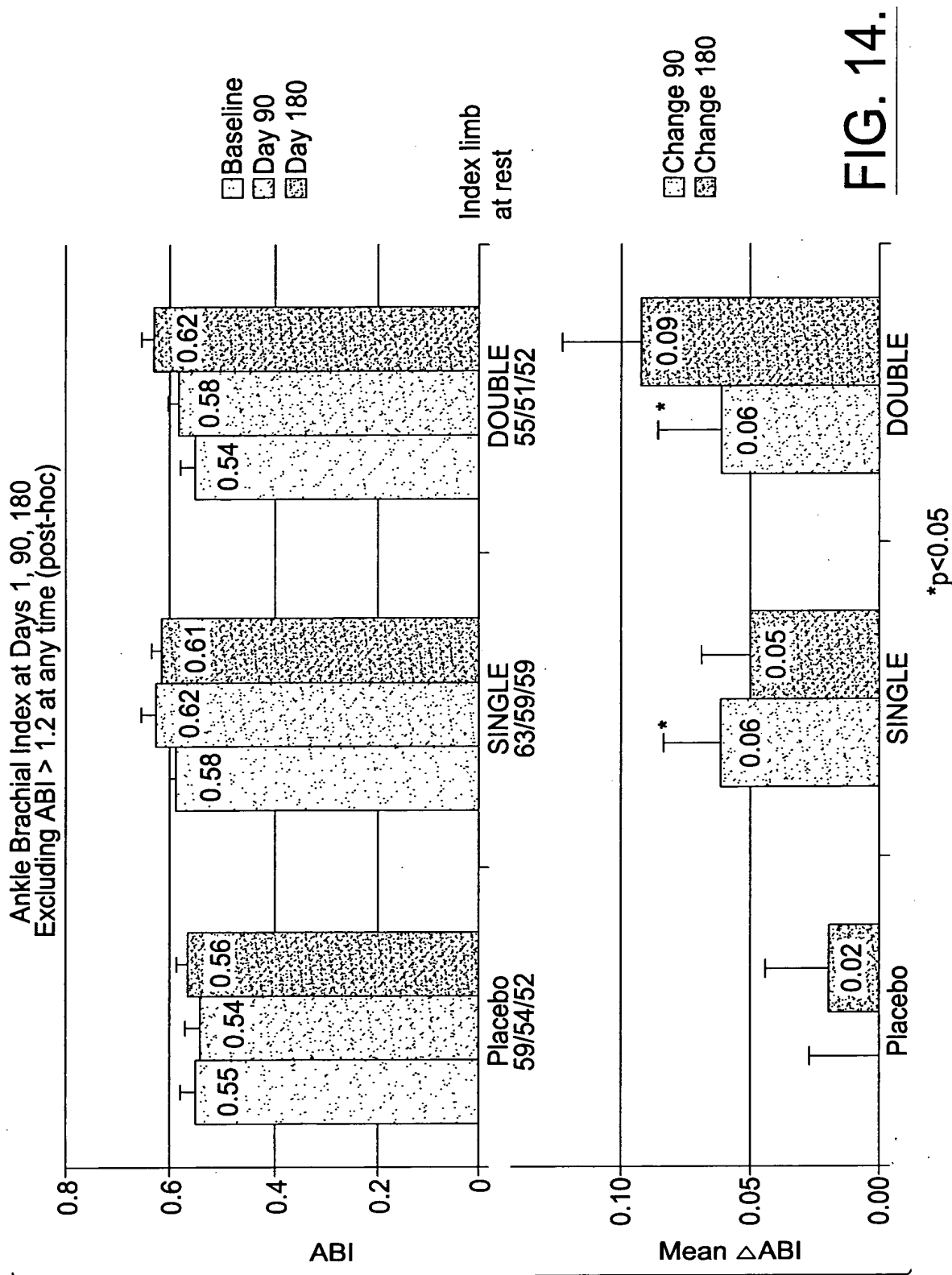
All PAD: Summary of Results

VARIABLE	Day 90	Day 180
PWT - primary overall	++	
PWT: pairwise/geometric	+++/+	+/-
Claudication Onset Time	+/+	-/-
Ankle Brachial Index	+/+	+/+
WIQ: claudication	+/+	-/+
WIQ: distance	0/-	+/-
WIQ: speed	+/-	+/0
WIQ: stairs	++/+	+/-
SF-36: Physical Score	++/+	+/-
SF-36: Mental Score	+/-	+/-

+++ =  $p < .05$ ; ++ =  $p < .15$ ; +, 0, - = directional change relative to placebo  
SINGLE/DOUBLE

FIG. 13.

09886856-100501



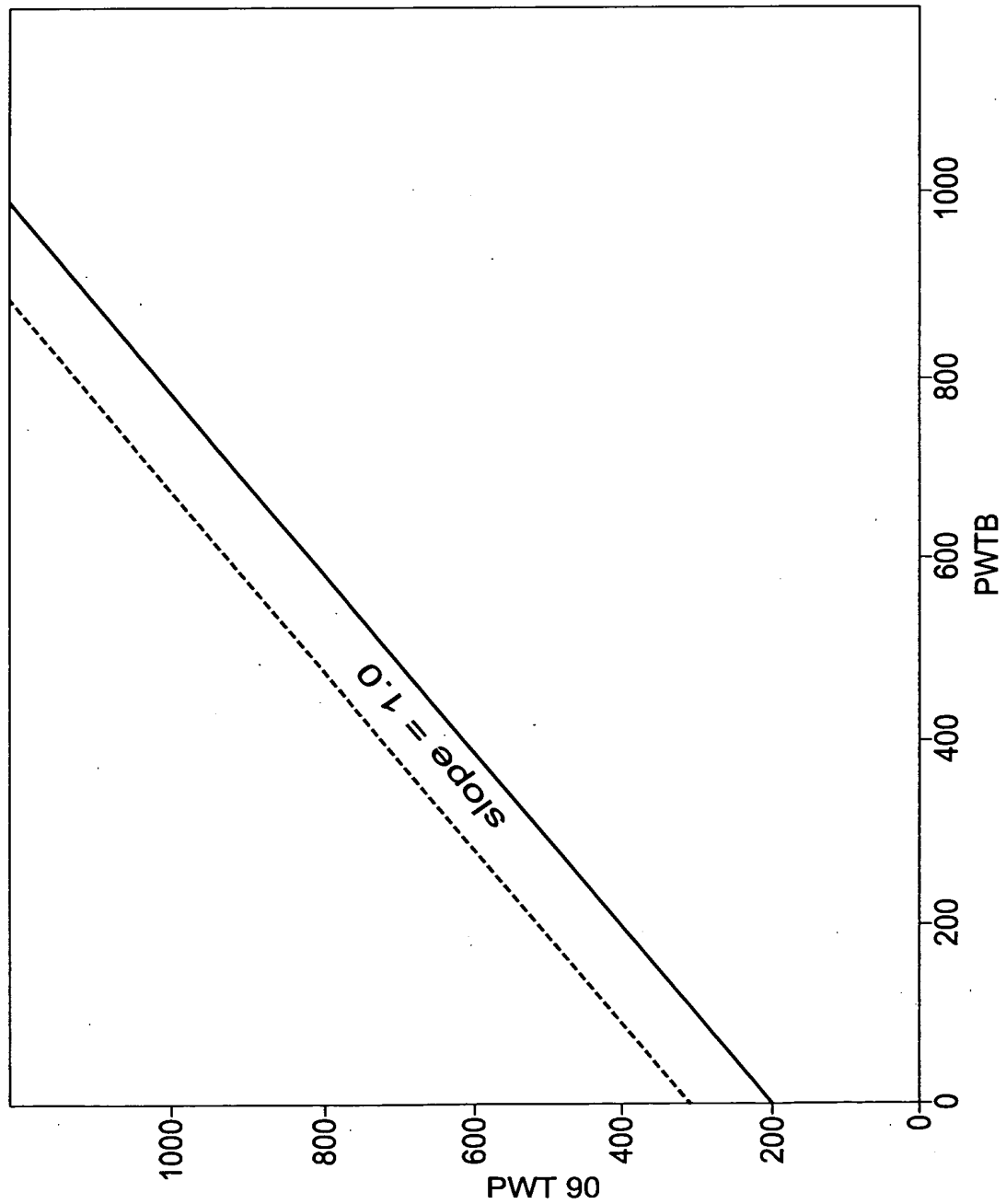


FIG. 15.

PP16090.004 (35784/235886)

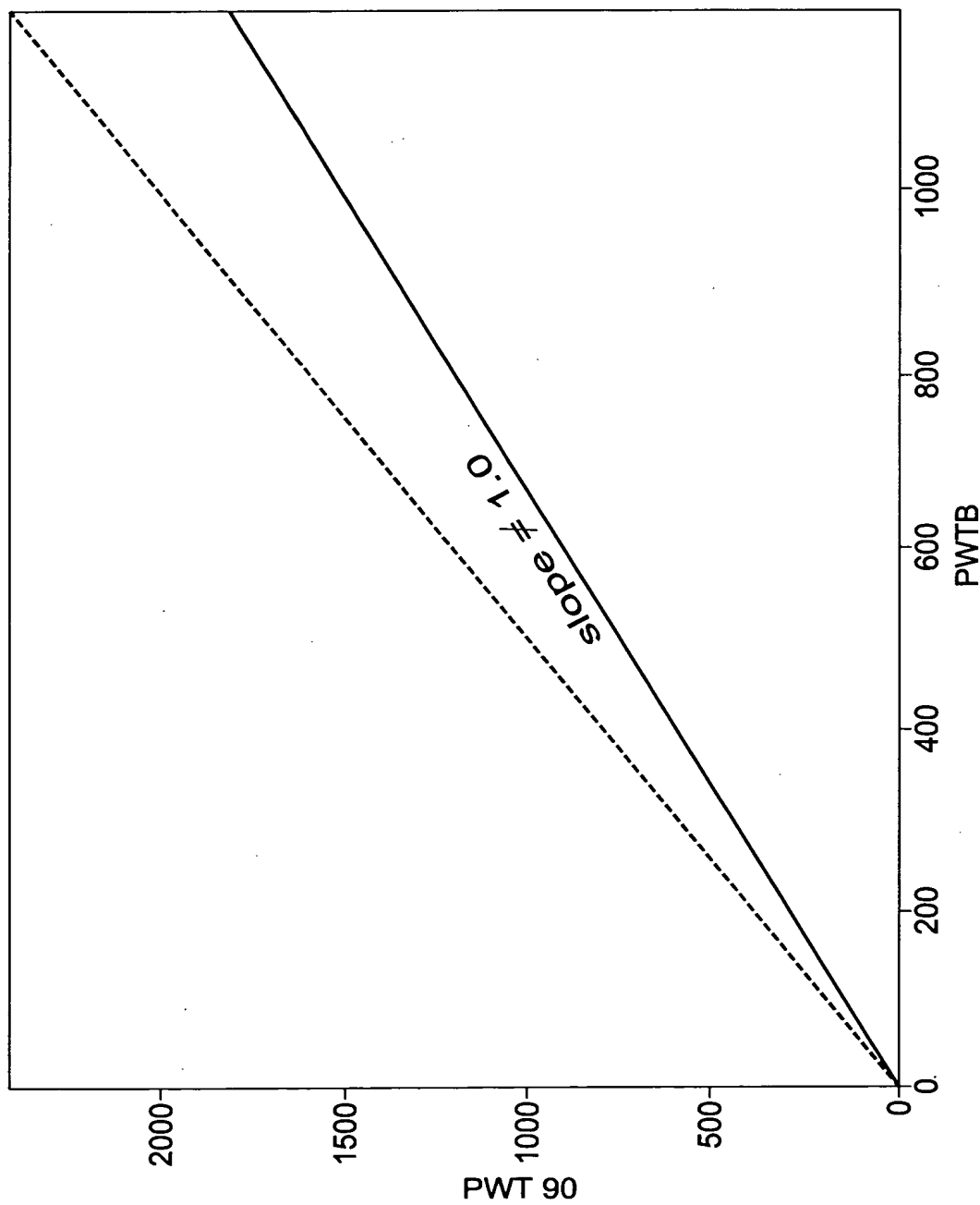


FIG. 16.

PP16090.004 (35784/235886)



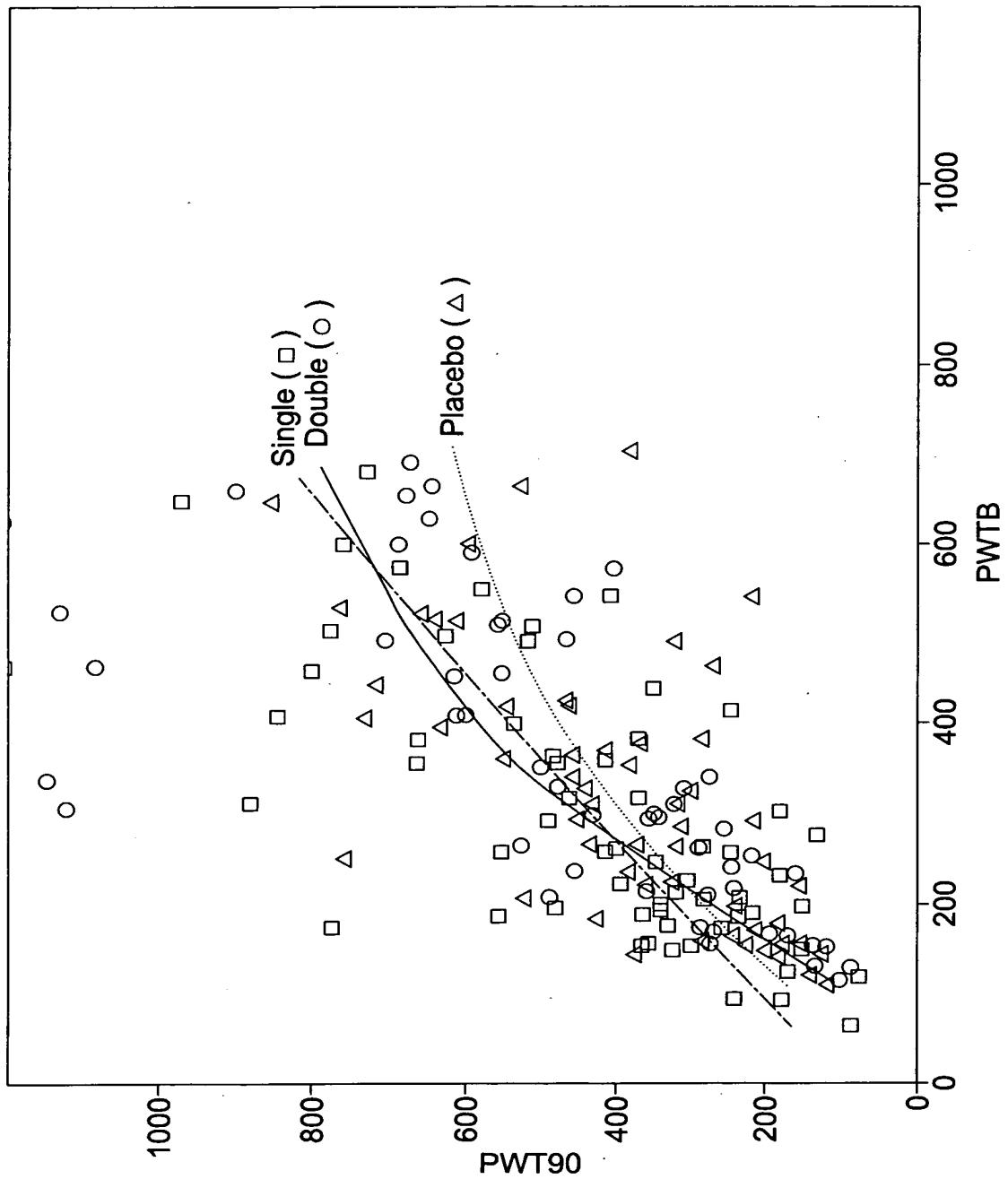


FIG. 17.

FOOT" 95898860

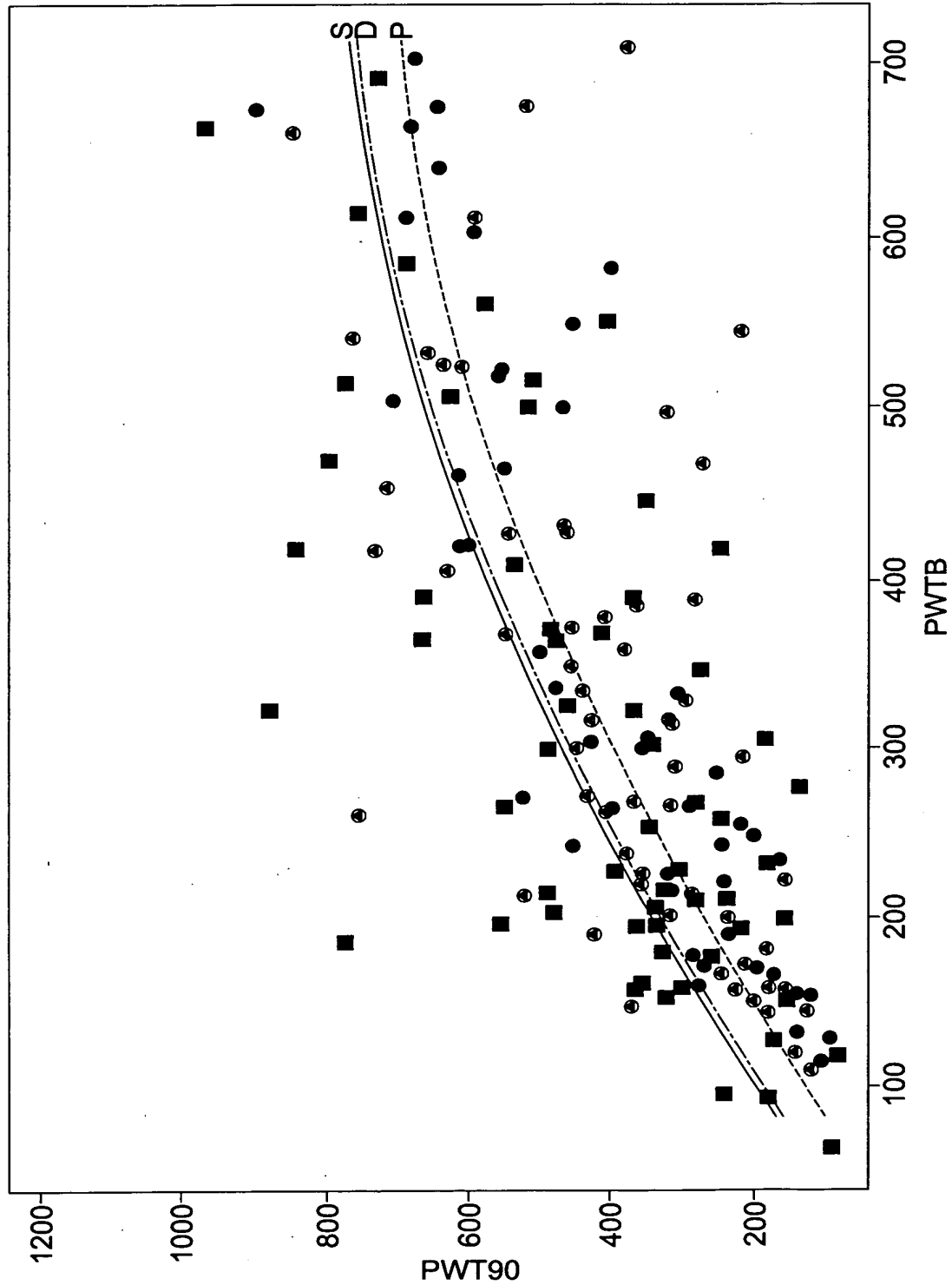


FIG. 18.

FOOT-9583360

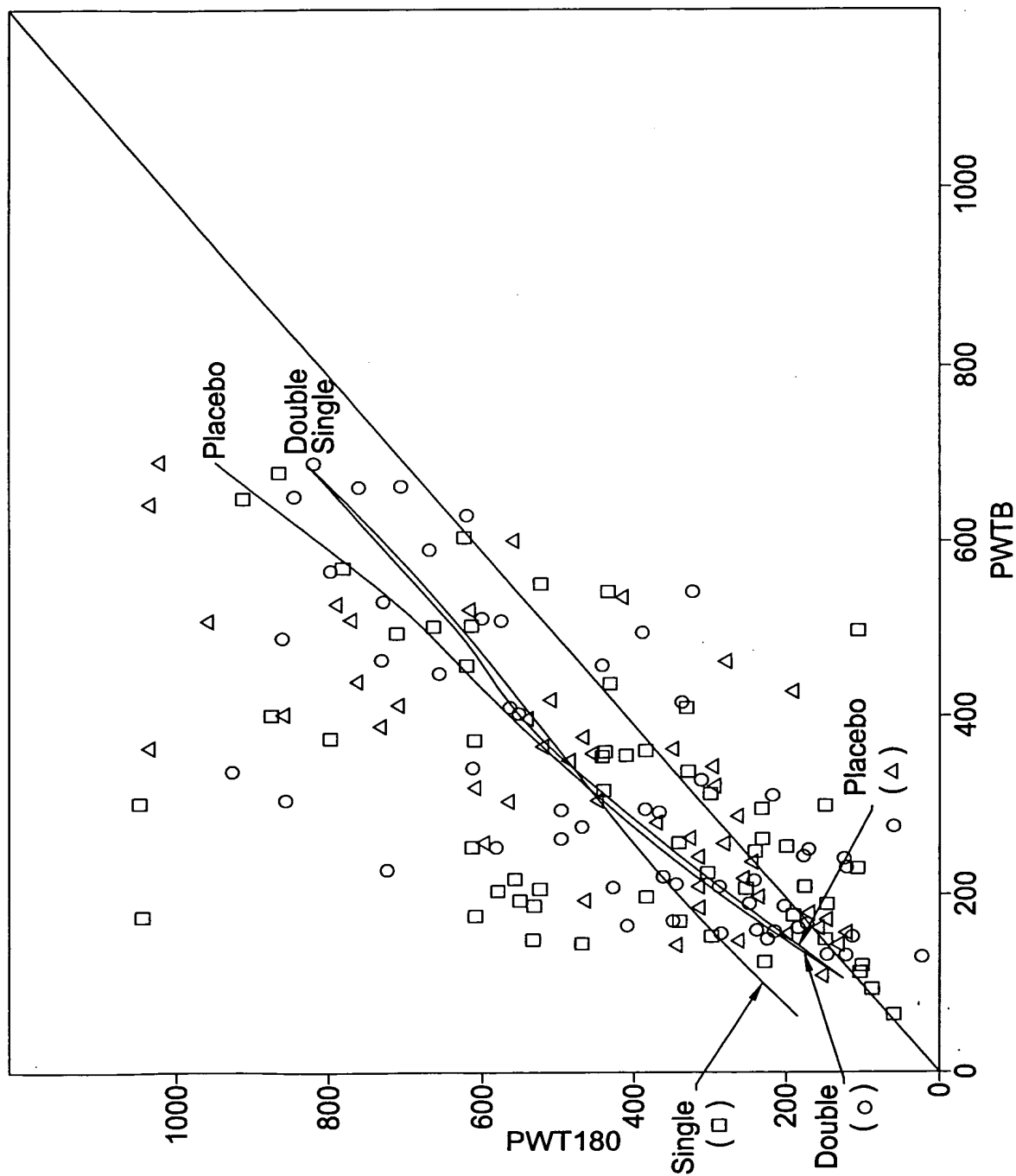


FIG. 19.

105001 95898860

0500T" 95898860

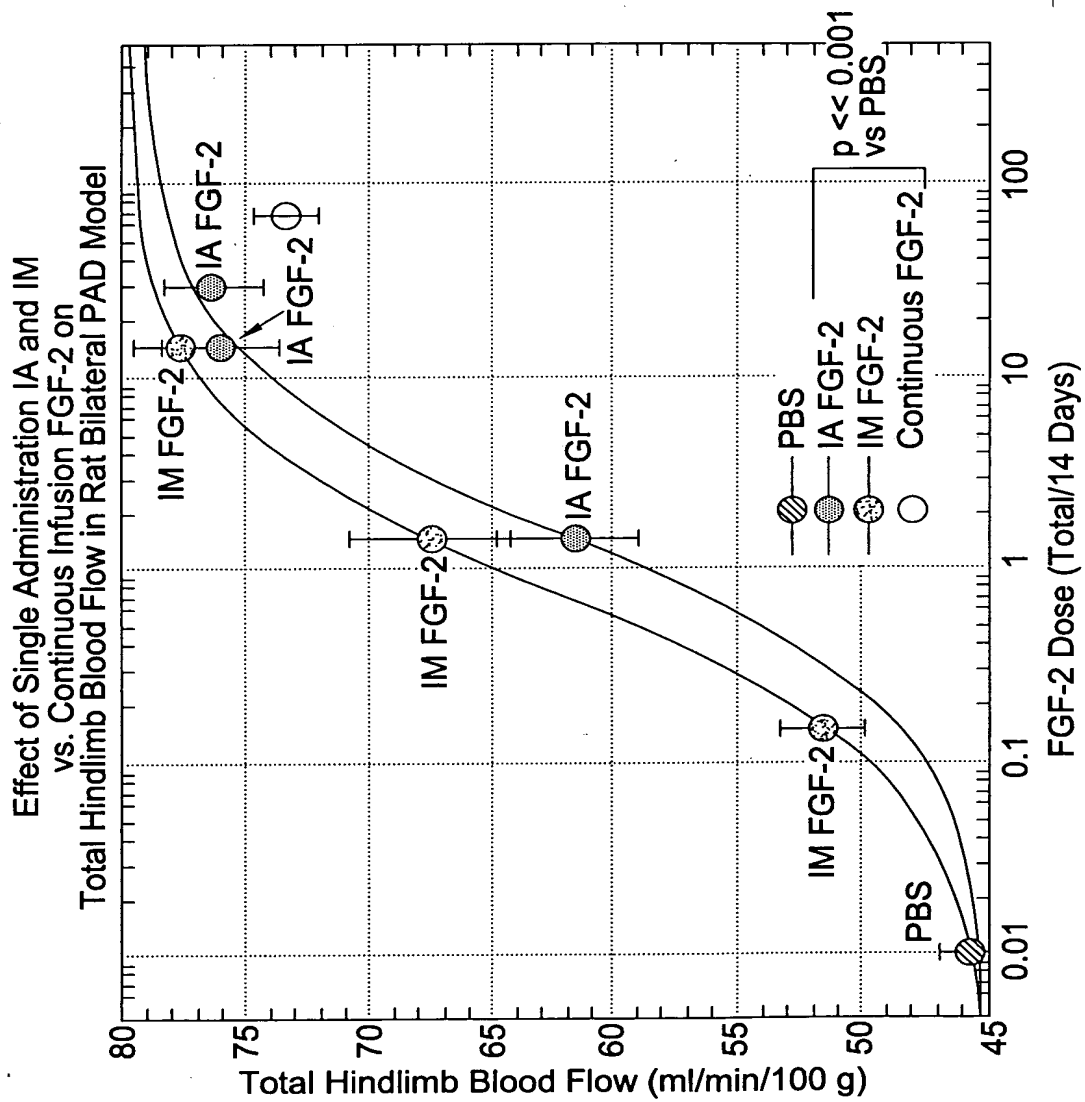


FIG. 20.